



**SEISMO-WRIT
LINO-FLEX
SEISMO-FLEX**

PHOTORECORDING
PAPERS AND
FILMS





FROM DU PONT—A UNIFIED LINE OF
PAPERS, FILMS, AND CHEMICALS
EXPRESSLY FOR
GEOPHYSICAL RECORDING

Du Pont offers you a field-proven line of high fidelity geophysical recording products with Seismo-Writ photorecording papers, Lino-Flex and Seismo-Flex photorecording films, and processing chemicals.

Du Pont photorecording papers are fast—in exposure and development—a prime requisite of a good field paper. They are also tough. These papers thrive on rugged field conditions, temperature and humidity extremes, and rough handling.

Du Pont photorecording papers also offer wide choice of sensitivity and contrast. Thus they are capable of recording not only line and variable area traces but also—if necessary—variable density traces and dual display.

Typically, Du Pont photorecording papers give you strong blacks that are easy to read, down to the faintest kick. Even under poor conditions—extreme underexposure, overdevelopment, excessive processing temperatures—they assure your getting a legible record.

All this—speed, toughness, sensitivity, latitude—helps you get in more shots per day and come away with clear, complete records.

Complementing these photorecording papers are Du Pont photorecording films on CRONAR*—for variable density, variable area, and playback recordings, well logging and general oscillography. While requiring slightly longer development times than recording papers, they offer superior contrast and are next to indestructible. Their base of CRONAR will take 20,000 foldings without cracking, whereas ordinary acetate base may crack after only 40 foldings.

Finally, Du Pont is familiar with the particular needs of the geophysical recording business. Convenient, well-stocked warehouses offer fast shipment of recording papers, films, and chemicals. Special sizes, unusual quantities, technical assistance—we are ready to cooperate as fully as possible.

*Du Pont's registered trademark for its polyester-base films.

SEISMO-WRIT PHOTORECORDING PAPER

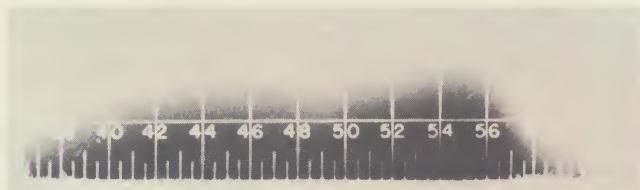
The Industry Standard for Field Recording

DESCRIPTION

Du Pont Seismo-Writ is a moderately high speed photorecording paper designed to give clean, legible records in seismographic operations. Quick, easy processing and high contrast make this paper ideal for accurate, on-the-spot readings.

Seismo-Writ will accept all types of traces, including line, variable area, and variable density recordings. Offering wide latitude, it assures interpretable results even with underexposure, overdevelopment, and excessive processing temperatures.

Seismo-Writ has a semi-matte surface that permits easy marking with pencil or ink.



SEISMO-WRIT ILLUM.—3000°K

Safelight: Red (Wratten Series 1 or equivalent).

Storage: Cool, dry location.

PROCESSING

Seismo-Writ is a tough paper designed for the rigors and variables of field use. Where practical, however, we recommend the following procedures.

Developing: 45-60 sec. at 68°F (20°C) in Du Pont Seismo-Writ Developer. See chart for times at other temperatures. For 30-50% faster access, use Seismo-Writ Liquid Developer.

Rinsing: 5-10 sec. in water or acid stop bath.

Fixing: 5-10 min. in Seismo-Writ Fixer.

Washing: For immediate inspection, 5-10 min. in running water (3-5 tank changes). To increase image permanence, wash later for 40-50 min.

Drying: Drain, remove surface water with Du Pont Photographic Sponge. Dry on racks or with standard heat drier. (With

Seismo-Writ Photorecording Paper is wrapped in a black waterproof polyethylene bag, heatsealed and packaged in a heavy-gage metal can—for maximum protection.



Seismo-Writ Type W, belt driers can be run 25-40% faster because of the fast-drying quality of the extra-thin paper stock.)

AVAILABILITY

Type B: Standard weight (.0045 in.). Preferred where maximum opacity in the paper stock is desired. Semi-matte surface.

Order Code: SW-B

Type W: All rag, extra-thin (.0025 in.) translucent paper. Provides 40% more paper per roll. Finished records take less storage space. Offers extremely high wet and dry strength. Can be used as a negative. Semi-matte surface. **Order Code:** SW-W

ROLL SIZES AND WINDING SPECIFICATIONS

Size	Spec. No.	Size	Spec. No.
70 mm x 100 ft.	1	20 cm x 200 ft.	1
10 cm x 100 ft.	1	8 in. x 100 ft.	1, 2
4 in. x 100 ft.	1	8 in. x 125 ft.	1
4 in. x 150 ft.	1, 2	8 in. x 150 ft.	1, 2
12 cm x 100 ft.	1	8 in. x 200 ft.	1, 2
12 cm x 200 ft.	1	25 cm x 200 ft.	1
5 in. x 100 ft.	1	10 in. x 100 ft.	1, 2
5 in. x 200 ft.	1, 174	10 in. x 150 ft.	1, 2
15 cm x 100 ft.	1	10 in. x 200 ft.	1, 2
15 cm x 150 ft.	1, 2	30 cm x 200 ft.	1
15 cm x 200 ft.	1	12 in. x 150 ft.	1
6 in. x 100 ft.	1, 2	12 in. x 200 ft.	1, 2
6 in. x 125 ft.	1	24 in. x 200 ft.	87, 88
6 in. x 150 ft.	1, 2	36 in. x 200 ft.	87, 88
6 in. x 200 ft.	1, 2, 174	42 in. x 200 ft.	87, 88
7 in. x 200 ft.	1, 174		

Spec. 1. Wound emulsion in. 1½ in. ID paperboard core.

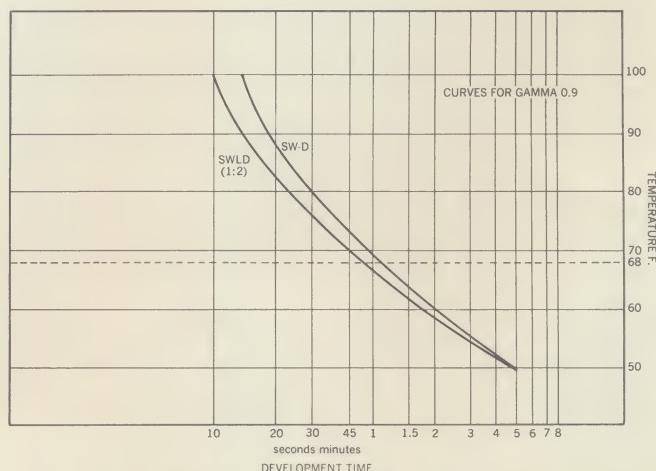
Spec. 2. Wound emulsion out. 1½ in. ID paperboard core.

Spec. 87. Wound emulsion in. 3 in. ID paperboard core.

Spec. 88. Wound emulsion out. 3 in. ID paperboard core.

Spec. 174. Wound emulsion in. 1½ in. ID paperboard core. Paper attached to core.

Special lengths and widths may be supplied on special order.



TIME-TEMPERATURE CHART FOR SEISMO-WRIT

PHOTORECORDING PAPERS

SEISMO-WRIT ECONOMY PACK PHOTORECORDING PAPER

Du Pont's Top Grade Paper—in Economy Packaging

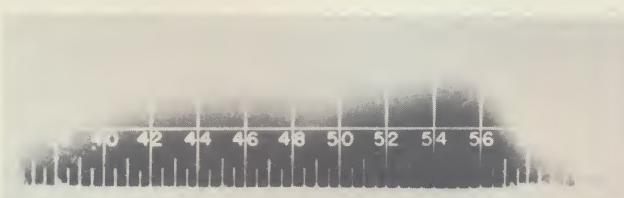


The Economy Pack is regular Seismo-Writ packed in boxboard carton without individual metal cans.

DESCRIPTION

Seismo-Writ Economy Pack Photorecording Paper is exactly the same product as regular Du Pont Seismo-Writ. It gives you precisely the same advantages of speed, toughness, sensitivity, and latitude. The only difference lies in the packaging.

Economy Pack Paper is sealed in a black laminated paper-foil-polyethylene bag. The bags are packed together in boxboard cartons rather than individually in metal cans. Thus where maximum physical protection is not needed, Seismo-Writ Economy Pack Paper offers a definite price advantage.



SEISMO-WRIT ECONOMY PACK

ILLUM.—3000°K

Safelight: Red (Wratten Series 1 or equivalent).

Storage: Cool, dry location.



PROCESSING See regular Seismo-Writ.

AVAILABILITY

Type B: Standard weight (.0045 in.). Preferred where maximum opacity in the paper stock is desired. Semi-matte surface. **Order Code:** SW-B ECPK

Type W: All rag, extra-thin (.0025 in.) translucent paper. Provides 40% more paper per roll. Finished records take less storage space. Offers extremely high wet and dry strength. Can be used as a negative. Semi-matte surface. **Order Code:** SW-W ECPK

ROLL SIZES AND WINDING SPECIFICATIONS

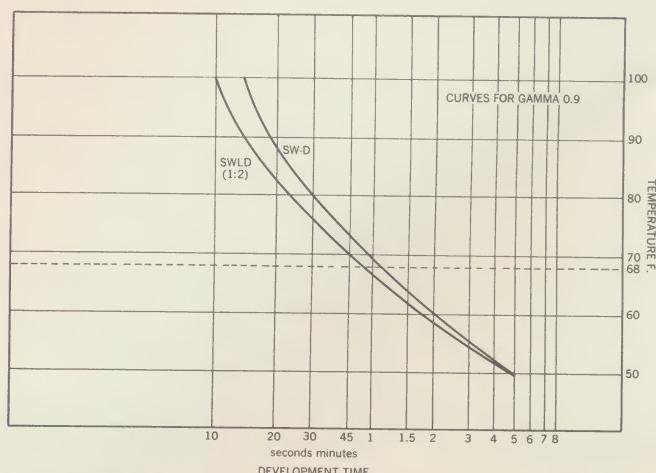
Size	Spec. No.
4 in. x 200 ft.	1, 166
15 cm x 200 ft.	166
6 in. x 150 ft.	1, 2
6 in. x 200 ft.	1
8 in. x 150 ft.	1, 2
8 in. x 200 ft.	2
12 in. x 175 ft.	1
12 in. x 200 ft.	2

Spec. 1. Wound emulsion in. 1½ in. ID paperboard core.

Spec. 2. Wound emulsion out. 1½ in. ID paperboard core.

Spec. 166. Wound emulsion in. 1½ in. ID paperboard core.

Three punch marks on each side of roll ten feet from core end.



TIME-TEMPERATURE CHART FOR SEISMO-WRIT ECONOMY PACK



SEISMO-WRIT DRY WRITING PHOTORECORDING PAPER

A Direct Writing Paper That Develops with Light

DESCRIPTION

Du Pont Seismo-Writ Dry Writing is a high speed, high sensitivity photorecording paper for use in direct writing oscilloscopes with high intensity incandescent light sources. It also gives excellent results in direct writing instruments with mercury vapor or Xenon light sources.

Seismo-Writ Dry Writing requires no chemicals for development. The exposed image becomes visible in a matter of seconds by photolysis in fluorescent room light. The fastest possible access is obtained if the paper is forced with heat and concentrated light.

One of the greatest advantages of this paper is the space it saves. No darkroom is needed. No chemicals, tanks or driers. And no special skill is required to develop Seismo-Writ Dry Writing Paper.



SEISMO-WRIT DRY WRITING

ILLUM.—Tungsten

Safelight: None required; avoid direct sunlight.

Storage: Cool, dry location.

HANDLING

Seismo-Writ Dry Writing Paper can be loaded under normal incandescent or fluorescent light. Avoid unshaded windows or high intensity mercury-vapor illumination. If records are to be processed for permanence, best results will be obtained if the camera is operated in a darkroom with suitable safelight, or with a closed magazine.

PROCESSING FOR PERMANENCE

Photolyzed images on Seismo-Writ Dry Writing Paper can be made permanent by processing in Du Pont single solution intensifier. Non-photolyzed images can be made permanent by processing in Du Pont Direct Writing Liquid Developer Type 1.

AVAILABILITY

Type B: Standard weight (.0045 in.) Semi-matte surface. **Order Code:** SD-B

Type W: Thin weight (.0025 in.) Provides approximately 40% more footage per roll. Semi-matte surface. **Order Code:** SD-W

ROLL SIZES AND WINDING SPECIFICATIONS

Size	Spec. No.	Size	Spec. No.
70 mm x 100 ft.	1	8 in. x 125 ft.	1
3 in. x 150 ft.	1	8 in. x 150 ft.	1
4 in. x 150 ft.	1	8 in. x 200 ft.	1, 2
4 in. x 200 ft.	1, 2, 166	10 in. x 150 ft.	1
12 cm x 200 ft.	1	10 in. x 200 ft.	1, 2
5 in. x 200 ft.	1	12 in. x 150 ft.	1
6 in. x 125 ft.	1	12 in. x 200 ft.	1, 2
6 in. x 200 ft.	1, 2		

Spec. 1. Wound emulsion in. 1½ in. ID paperboard core.

Spec. 2. Wound emulsion out. 1½ in. ID paperboard core.

Spec. 166. Wound emulsion in. 1¼ in. ID paperboard core.

Three punch marks on each side of roll ten feet from core end.

Non-standard widths and lengths may be supplied on special order.

Seismo-Writ Dry Writing Photorecording Paper is also available in Economy Pack on request (see facing page for description of packaging). **Order code:** Type B, standard weight: SD-B ECPK. Type W, thin weight: SD-W ECPK.

Seismo-Writ Dry Writing Photorecording Paper provides almost immediate access to records because it develops in ordinary fluorescent light without chemicals.



LINO-FLEX I PHOTORECORDING FILM ON CRONAR®

Industry Standard Film for Well Logging

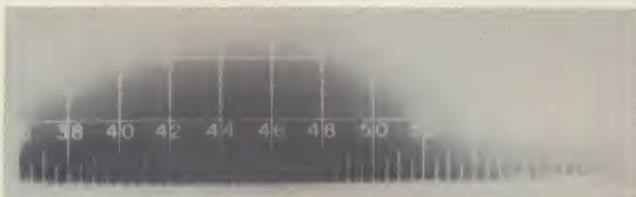


Lino-Flex I is packaged in standard widths and lengths.

DESCRIPTION

Lino-Flex I provides a moderately high speed, high contrast, blue-sensitive photographic emulsion on CRONAR polyester photographic film base. Because of its base of CRONAR, Lino-Flex I offers unexcelled strength and dimensional stability and is extremely flexible. Further, because CRONAR absorbs practically no water, Lino-Flex dries fast and is ready for use soon after processing.

Lino-Flex I is Du Pont's basic film product for the seismic and well logging industry. Lino-Flex I features a light matte surface, well suited for accepting pencil or ink markings.



ILLUM.—Tungsten

Safelight: Light red (Wratten Series 1A or equivalent).

Exposure: Relative speed: 10.

Storage: Cool, dry location.

PROCESSING

Developing: 3½ min. at 68°F (20°C) in undiluted Seismo-Writ Developer.

Rinsing: 5-15 sec. in acid stop bath.

Fixing: 5-10 min. in Du Pont Seismo-Writ Fixer.

Washing: 15-20 min. in rapidly changing water (or 6 tank changes).
Do not use a wetting agent if ink is to be applied to the record.

Drying: Squeegee surface or wipe with moist Du Pont Photographic Sponge. Dry in dust-free location.

AVAILABILITY

Type B: Standard weight (.004 in.) base of CRONAR. Light matte on both surfaces. **Order Code:** LF-1B.

Type W: Light weight (.003 in.) base of CRONAR. Light matte on both surfaces. Type W provides more footage per equivalent roll. Records can be stored in smaller space. **Order Code:** LF-1W

ROLL SIZES AND WINDING SPECIFICATIONS

Size	Spec. No.	Size	Spec. No.
2 in. x 200 ft.	2	6 in. x 150 ft.	1
2½ in. x 150 ft.	1	6 in. x 200 ft.	1, 2
3 in. x 200 ft.	1, 2	8 in. x 200 ft.	1
4 in. x 200 ft.	1, 2	8½ in. x 120 ft.	904
4 in. x 250 ft.	2	12 in. x 200 ft.	1, 28
5 in. x 200 ft.	1	24 in. x 100 ft.	1, 900
6 in. x 100 ft.	1, 2	42 in. x 100 ft.	1, 900

Spec. 1. Wound emulsion in. 1¼ in. ID paperboard core.

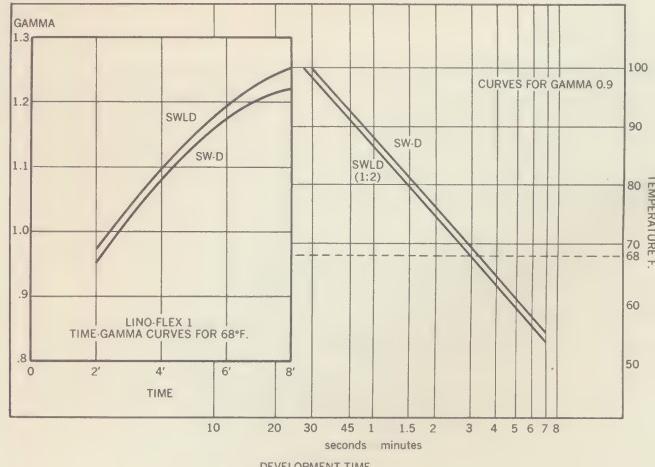
Spec. 2. Wound emulsion out. 1¼ in. ID paperboard core.

Spec. 28. Wound emulsion in. 2 in. ID paperboard core.

Spec. 900. Wound emulsion in. 3 in. ID paperboard core. Plastic spool ends.

Spec. 904. Wound emulsion in. 1 in. ID paperboard core.

Special lengths and widths may be supplied on special order.



TIME-TEMPERATURE CHART FOR LINO-FLEX I



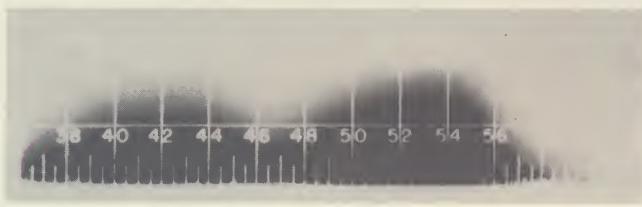
SEISMO-FLEX 1 PHOTORECORDING FILM ON CRONAR®

A Moderate Speed, Clear Base Film—Outstanding for Variable Area Recording

DESCRIPTION

Seismo-Flex 1 is a moderately fast, high contrast, ortho-sensitive emulsion on clear base of CRONAR. Like all base of CRONAR photorecording films, Seismo-Flex 1 is remarkably tough, defying all normal wear. Absorbing virtually no moisture, it dries quickly and has excellent dimensional stability.

A good photorecording film, Seismo-Flex 1 is particularly suited for variable area trace work. It offers the added advantage of wide exposure and development latitude without compromising image quality.



SEISMO-FLEX 1

ILLUM.—Tungsten

Safelight: Light red (Wratten Series 1A or equivalent).

Exposure: Relative speed: 4.

Storage: Cool, dry location.

PROCESSING

Developing: 2-3 min. at 68°F (20°C) in undiluted Seismo-Writ Developer.

Rinsing: 5-15 sec. in acid stop bath.

Fixing: 5-10 min. in Seismo-Writ Fixer.

Washing: 15-20 min. in rapidly changing water (or 6 tank changes).

Drying: Squeegee surface or wipe with moist Du Pont Photographic Sponge. Dry in dust-free location if possible.

AVAILABILITY

Type B: Standard (.004 in.) base of CRONAR. **Order Code:** SF-1B

Type W: Thin (.003 in.) base of CRONAR. This thin base film allows greater footage on rolls, requires minimum storage space.
Order Code: SF-1W

ROLL SIZES AND WINDING SPECIFICATIONS

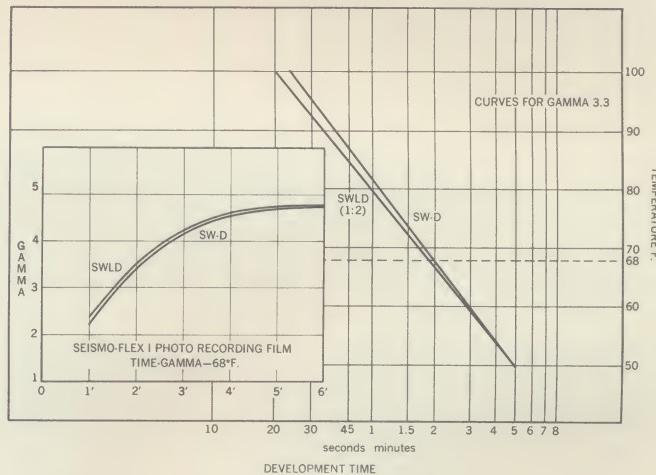
Size	Spec. No.	Size	Spec. No.
2 in. x 200 ft.	2	6 in. x 150 ft.	1
2½ in. x 150 ft.	1	6 in. x 200 ft.	1
3 in. x 200 ft.	1	8 in. x 200 ft.	1, 2
4 in. x 250 ft.	1, 2	24 in. x 100 ft.	900
5 in. x 200 ft.	1	42 in. x 100 ft.	900

Spec. 1. Wound emulsion in. 1½ in. ID paperboard core.

Spec. 2. Wound emulsion out. 1½ in. ID paperboard core.

Spec. 900. Wound emulsion in. 3 in. ID paperboard core.

Special lengths and widths may be supplied on special order.



TIME-TEMPERATURE CHART FOR SEISMO-FLEX 1

Seismo-Flex 1 is the outstanding clear base film for variable area photorecordings.





SEISMO-FLEX 2 PHOTORECORDING FILM ON CRONAR®

A High Speed, Clear Base Photorecording Film— Outstanding for Variable Density Recording



Seismo-Flex 2 is available in standard widths and winding specifications.

DESCRIPTION

Du Pont Seismo-Flex 2 is a high speed, blue-sensitive, medium contrast film with a nonhalation backing which insures maximum trace sharpness. It offers all the advantages of base of CRONAR—holds size, lies flat, dries rapidly, and is very tough.

Seismo-Flex 2 is an ideal all-purpose film for high speed oscillographic cameras and related photorecording equipment. This film is suitable for line or variable density recording.



SEISMO-FLEX 2

ILLUM.—Tungsten

Safelight: Dark red (Wratten Series 2 or equivalent).

Exposure: Relative speed: 30.

Storage: Cool, dry location.

PROCESSING

Developing: 2-3 min. at 68°F (20°C) in undiluted Seismo-Writ Developer.

Rinsing: 5-15 sec. in acid stop bath.

Fixing: 5-10 min. in Seismo-Writ Fixer.

Washing: 15-20 min. in rapidly changing water (6 tank changes).

Drying: Squeegee surface or wipe with moist Du Pont Photographic Sponge. Dry in dust-free location.

AVAILABILITY

Type B: Standard weight .004 in. base of CRONAR. Order Code: SF-2B

ROLL SIZES AND WINDING SPECIFICATIONS

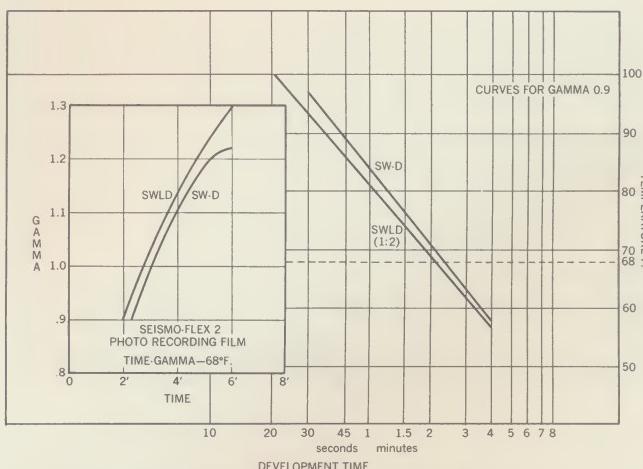
Size	Spec. No.	Size	Spec. No.
2 in. x 200 ft.	2	6 in. x 150 ft.	1
2½ in. x 150 ft.	1	6 in. x 200 ft.	1
3 in. x 200 ft.	1	8 in. x 200 ft.	1, 2
4 in. x 250 ft.	1, 2	24 in. x 100 ft.	900
5 in. x 200 ft.	1	42 in. x 100 ft.	900

Spec. 1. Wound emulsion in. 1½ in. ID paperboard core.

Spec. 2. Wound emulsion out. 1½ in. ID paperboard core.

Spec. 900. Wound emulsion in. 3 in. ID paperboard core. Plastic spool ends.

Special lengths and widths may be supplied on special order.





PROCESSING CHEMICALS

SEISMO-WRIT DEVELOPER



Seismo-Writ Developer is a normal speed developer available as ready-to-mix powder to make five quarts of working solution. It is suitable either for paper or film development. **Order Code:** SWPD

SEISMO-WRIT FIXER



Du Pont Seismo-Writ Fixer is a packaged single powder formula to make five quarts of working solution. **Order Code:** SWPF

SEISMO-WRIT LIQUID DEVELOPER



A fast-acting formula available in a two-quart plastic container to make six quarts of working solution. **Order Code:** SWLD



SELECTION GUIDE . . .

DU PONT PHOTORECORDING PAPERS AND FILMS



PAPERS

PRODUCT	COLOR SENSITIVITY	REL. SPEED	PRINCIPAL TRADE APPL.	BASE THICKNESS & TYPE	SAFE-LIGHT	DEVELOPER	OPTIMUM DEV. TIME	OPTIMUM PROC. TIME	ACCEPTS INK & PENCIL	ORDER CODE
SEISMO-WRIT	Ortho	10	Line Var. area	B: .0045" standard W: .0025" thin weight	1	Seismo-Writ or Seismo-Writ Liq.	45-60 sec.	68°F (20°C)	Both sides	SW-B SW-W
SEISMO-WRIT ECONOMY PACK	Ortho	10	Line Var. area	B: .0045" standard W: .0025" thin weight	1	Seismo-Writ or Seismo-Writ Liq.	45-60 sec.	68°F (20°C)	Both sides	SW-B ECPK SW-W ECPK
SEISMO-WRIT DRY WRITING	Ortho	Not App.	Line Var. area	B: .0045" standard W: .0025" thin weight	None	Fluorescent lamp	Not App.	—	Both sides	SD-B SD-W

FILMS

LINO-FLEX 1	Blue	10	Line Var. area	B: 4 mil. CRONAR W: 3 mil. CRONAR	1A	Seismo-Writ or Seismo-Writ Liq.	3½ min. 2½ min.	68°F (20°C)	Both sides	LF-1B LF-1W
SEISMO-FLEX 1	Ortho	4	Var. area (Line) (Var. dens.)	B: 4 mil. CRONAR W: 3 mil. CRONAR (Clear)	1A	Seismo-Writ or Seismo-Writ Liq.	2-3 min.	68°F (20°C)	Ink— Both sides	SF-1B SF-1W
SEISMO-FLEX 2	Blue	30	Var. dens. (Line) (Var. area)	B: 4 mil. CRONAR	2	Seismo-Writ or Seismo-Writ Liq.	2-3 min.	68°F (20°C)	Ink— Both sides	SF-2B





For technical assistance or for additional data on Du Pont Photorecording Products, contact the nearest sales office listed below.

Northeastern District:

Clifton, N. J. 07012, 380 Allwood Rd., Allwood Sta.
GRegory 3-4004
Chestnut Hill, Mass. 02167, 824 Boylston Street
TWinbrook 9-8300

Mid-Atlantic District:

Washington, D. C. 20002, 415 Second Street, N.E.
547-3124, 547-3125, 547-3126
Wynnewood, Pa. 19096, 308 E. Lancaster Ave.
TRinity 8-2700

Southeastern District:

Atlanta, Ga. 30325, 1737 Ellsworth Industrial Drive, N.W.
355-1230

East Central District:

Cleveland, Ohio 44116, 20575 Center Ridge Rd., Room 116
333-3674

Midwestern District:

Chicago, Ill. 60646, 4560 Touhy Ave., Edgebrook Sta.
675-1010

Southwestern District:

Dallas, Tex. 75247, P. O. Box 10486, 3120 Commonwealth Drive
Riverside 1-1821

Western District:

Hollywood, Calif. 90038, 7051 Santa Monica Blvd.
HOLlywood 9-5147

Canada:

Du Pont of Canada Limited, 85 Eglinton Ave. East
Toronto 12, Ontario

Europe:

Adox Fotowerke, Niedenau 47
6 Frankfurt/Main, West Germany

Export:

Export Sales, 11507 Nemours Bldg., Wilmington, Del. 19898



BETTER THINGS FOR BETTER LIVING . . . THROUGH CHEMISTRY

**PHOTO PRODUCTS DEPARTMENT
WILMINGTON, DELAWARE 19898**